

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (Original) A data management device for a communication installation including at least one base station having resources and at least one terrestrial node connected to a core network and to said base station to control its resources via an interface, which device includes control means adapted to be coupled to a traffic source and to said interface and adapted to take local control, on command, of at least a portion of said resources of said base station, instead of said node, to enable transfer of data between said traffic source and said base station.
2. (Original) The device claimed in claim 1 wherein said control means include at least a portion of a stack of protocols dedicated to management of said resources so as:
 - to manage the configuration of at least one portion of at least one cell managed by said base station and the associated resources,
 - to control at least one portion of the configuration of data transport channels managed by said base station,
 - to manage "resource" events generated by said base station and representative of the status of its resources, and
 - to check that identical configuration information is held by said base station and said node.

3. (Original) The device claimed in claim 1 wherein said control means include at least said portion of said stack of protocols dedicated to managing synchronization of channels under the control of said base station.

4. (Original) The device claimed in claim 2 wherein said portions of said stack of protocols dedicated to resource management and synchronization are chosen from a group comprising at least a portion of the Node B Application Part protocol, at least a portion of the Radio Resource Control protocol, at least a portion of the Frame Protocol, at least a portion of the Radio Link Control protocol, at least a portion of the Medium Access Control protocol, at least a portion of the Packet Data Convergence protocol, and at least a portion of the Broadcast/Multicast Control protocol.

5. (Original) The device claimed in claim 1 wherein said control means include a filter module adapted to filter said traffic from said traffic source and said traffic from said node.

6. (Original) The device claimed in claim 1 wherein said control means are adapted: to send said base station a resource reservation request on receipt of a request to transmit traffic to at least one user equipment situated in a cell managed by said base station and coming from said traffic source,

to send said node a message indicating that said available resources are blocked on receipt of a response message generated by said base station indicating availability of resources, and

to send a message to said base station to release said resources that have been used and a message to said node to tell it that said resources have been unblocked when said traffic from said traffic source is finished.

7. (Original) The device claimed in claim 6 wherein said control means include a message generator module adapted to send said node said messages indicating that resources have been blocked.

8. (Original) The device claimed in claim 3 wherein, in an installation including means adapted to transmit data from said traffic source by radio, at first and second frequencies, respectively to user equipments situated in a cell managed by said base station and to said base station, said control means are adapted to calculate a transmission difference representative of the difference between the transmission times of said data at said first and second frequencies and to delay the data received and to be transmitted to said base station by an amount substantially equal to the calculated difference.

9. (Original) The device claimed in claim 8 wherein said difference is a function of the dimensions of the coverage area of said satellite transmission means and/or said base station.

10. (Original) The device claimed in claim 8 wherein said control means include a synchronization adaptor module adapted to calculate said transmission time differences between traffic from said traffic source and from said node.
11. (Original) The device claimed in claim 1 further including a module provided with a connection interface.
12. (Original) The device claimed in claim 11 wherein said module is adapted to be connected to said base station via said connection interface.
13. (Original) The device claimed in claim 11 wherein said module is adapted to be connected via said connection interface to a satellite terminal coupled to said base station and to a satellite supplied by said traffic source.
14. (Original) The device claimed in claim 1, adapted to be installed in said base station.
15. (Original) The device claimed in claim 1, adapted to be installed in a satellite terminal coupled to said base station and to a satellite supplied by said traffic source.

16. (Currently Amended) A communication installation including at least one base station having resources and at least one terrestrial node connected to a first core network and to said base station to control its resources via an interface, which installation includes a device as claimed in ~~any preceding claim~~claim 1.

17. (Original) The installation claimed in claim 16, further including a satellite access network.

18. (Original) The installation claimed in claim 17 wherein said satellite access network includes at least one satellite gateway connected to said node, at least one satellite terminal connected to one of said base stations, and at least one communication satellite adapted to exchange data by radio with said satellite gateway and with said satellite terminal, said node and said core network together constituting said traffic source.

19. (Original) The installation claimed in claim 17 wherein said satellite access network includes at least one satellite gateway connected to a traffic source, at least one satellite terminal connected to one of said base stations and to said node, and at least one communication satellite adapted to exchange data by radio with said satellite gateway and with said satellite terminal.

20. (Original) The installation claimed in claim 17 wherein said satellite access network includes at least one satellite gateway connected to a satellite node connected to a second core network and together therewith constituting said traffic source, at least one satellite terminal connected to one of said base stations and to said node, and at least one communication satellite adapted to exchange data by radio with said satellite gateway, with said satellite terminal, and with user equipments adapted to exchange data with said base station via said resources.

21. (Currently Amended) Use of a device and an installation as claimed in ~~any preceding claim~~claim 1 in UMTS communication networks, each node being a radio network controller and each base station being a Node B.